

Mill Lake Dam Location

Mill Lake Dam is in the Bitterroot Mountain Range, located S 1/2 SW 1/4 of Section 1, Township 6N, Range 23W one mile south and 15 miles west of Corvallis, Ravalli County, Montana. This is about 9 miles into the Selway Bitterroot Wilderness.

Mill Lake Dam Maintenance and Rehabilitation History

Mill Lake Dam was originally constructed in 1910 and reconstructed in 1922. Major rehabilitation occurred in 1944, 1959, 1960, 1961, 1964 and 1991 and 1992.

Mill Creek Irrigation District

171 members
Irrigates 2225 acres

Mill Lake Dam Recent Rehabilitation

- 2001** Dam Emergency Repair
Mill Creek Irrigation District
\$30,125 Paid by Grant from DNRC
- 2002** Temporary Slip Lining of Outlet Pipe
Mill Creek Irrigation District
\$17,562 Paid by Mill Creek Irrigation District
- 2003** Mill Lake Dam Improvement Project
Geotechnical Investigation
\$45,000 Paid by Mill Creek Irrigation District
- 2005** Mill Lake Dam Outlet Slip Lining Project
Gerhard Contracting, Inc.
\$102,410 Paid by \$100,000 Grant From DNRC
- 2006** Full Water Storage to Check 2005 Slip Lining Project
Note: Dam outlet "ok". No dam rehabilitation. Temporary outlet support structure erected to resist heavy snow loads.
- 2007** Mill Lake Dam Rehabilitation Project.
Downstream rock berm construction and downstream dam crest edge stability construction. Installed new AMCI satellite alarm system.
Land Tech Montana, Inc.
\$156,000 Paid by Mill Creek Irrigation District

Construction Costs for Repairs and Rehabilitation to date. \$351,097
Approximate Engineering costs to date. \$100,000

Final Phase of Mill Lake Dam Rehabilitation

- 2009** Remove rock from face of dam on the water side, stabilize slope, install waterproof barrier, cover barrier with uniform sized rock. Rehabilitate spillway to prevent further erosion. Work on saddle dike that directs overflow toward spillway. No water storage for 2009. 90 day work schedule.

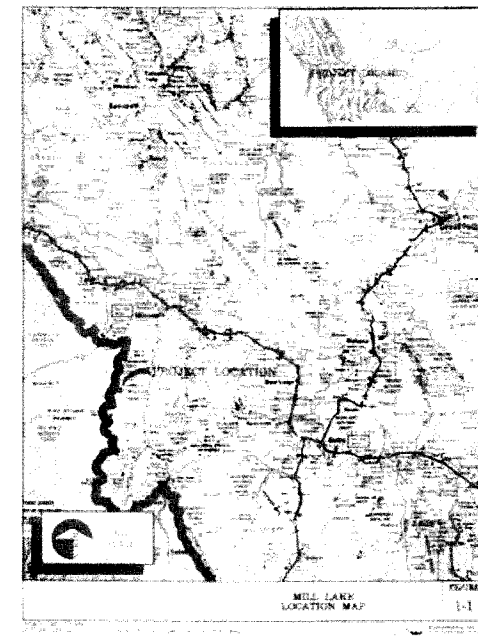
Final Phase Cost Estimates

\$470,000 Bid by Land Tech Montana Inc.
\$ 80,000 Hydrometrics Inc.
\$ 16,726 DJ Engineering
\$ 12,000 Dorsey and Whitney Bond Council
\$ 25,000 Debt service reserve

\$603,726 Total

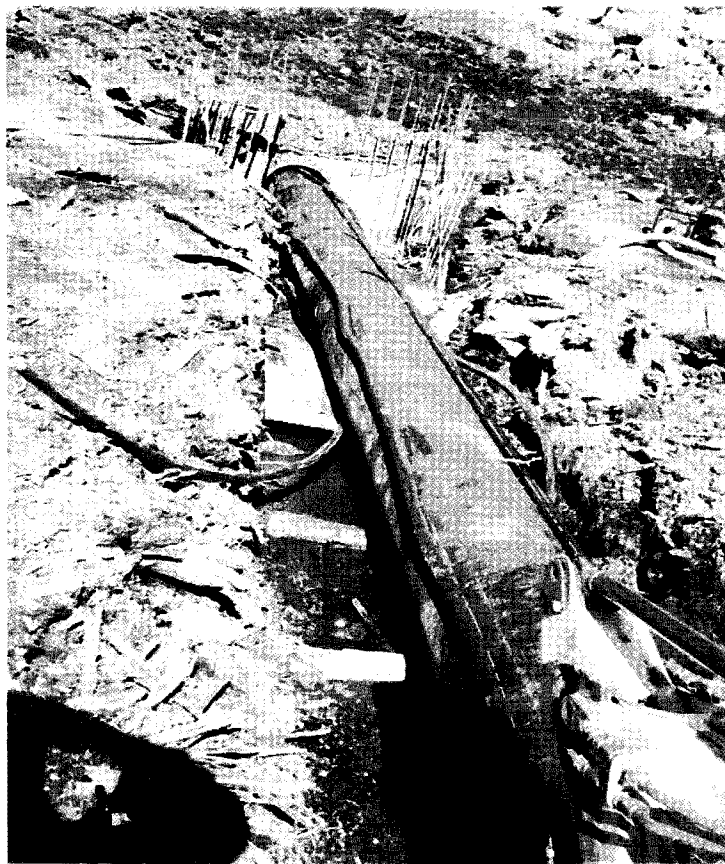
What the district is asking for

We would like to borrow \$600,000 at 3% interest for 20 years

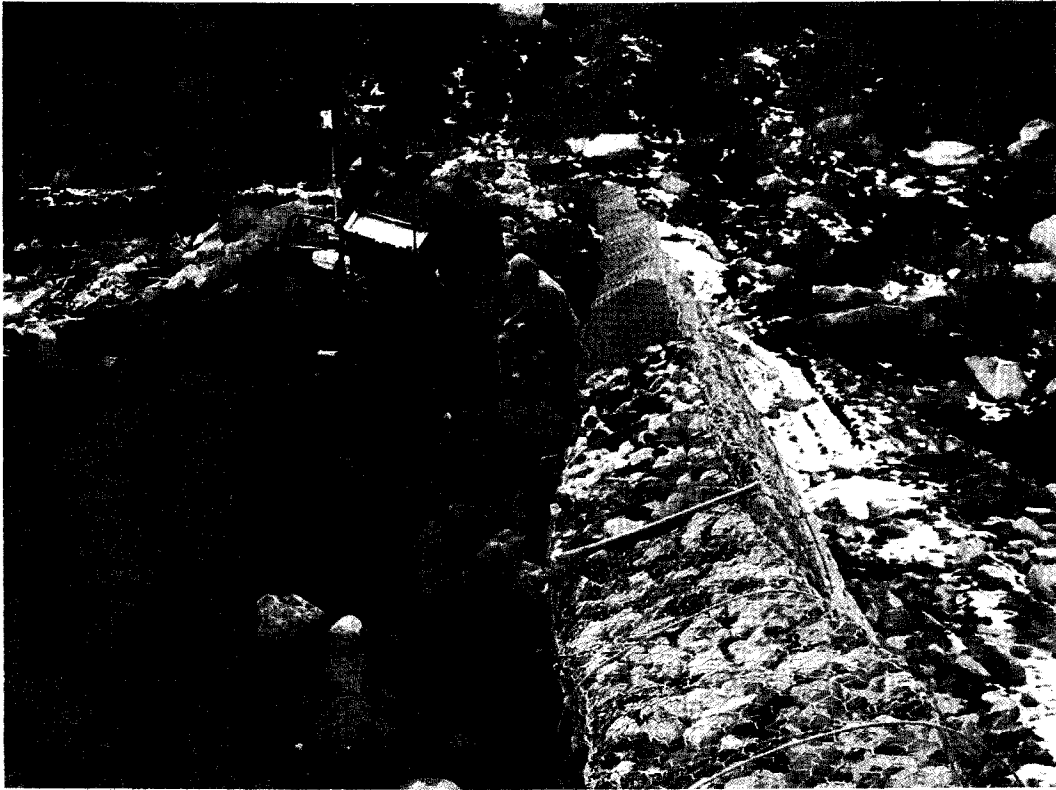




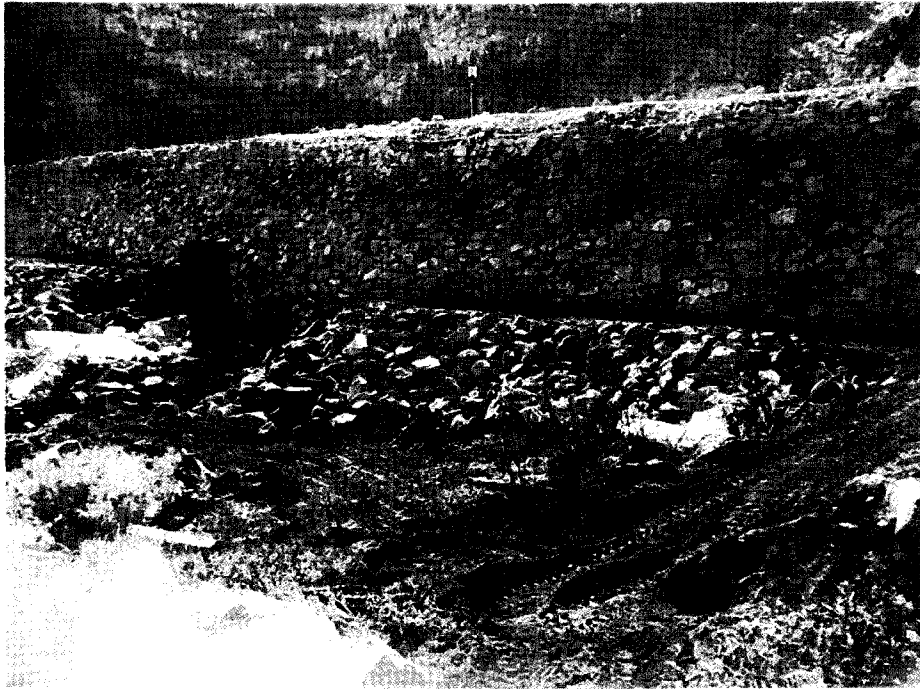
Mill Lake Dam



2005 Slip Lining Project
Repaired leaking outlet pipe with plastic pipe liner.



2007 Dam Crest Edge Stability Construction



2007 Down Stream Rock Berm Construction